SHOUT
SHARE
IT

Bulletins 179-208 OK - RBS. 4/10/42.

#192 - 30th Ann. Rpt. 1918
#198 - 31/32 Ann. Rpts 1919/1920
#203 - 33d Ann. Rpt 1921
#208 - 34th Ann. Rpt. 1922

} OK - RBS 4/10/42

SAPIENTIA UNIVERSALIS EX LIBRIS
UNIVERSITY OF NEW HAMPSHIRE

EXPERIMENT STATION LIBRARY

CLASS ~~630.73~~
NUMBER ~~N53 179-208~~
ACCESSION 4798 ~~c.3~~

Bulletin 187 *August, 1918*

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION
DEPARTMENT OF CHEMISTRY

Analysis of Feeding Stuffs

MADE FOR THE

STATE DEPARTMENT OF AGRICULTURE

BY B. E. CURRY AND T. O. SMITH

NEW HAMPSHIRE COLLEGE
OF
AGRICULTURE AND THE MECHANIC ARTS
DURHAM, N. H.

1798

Feeding Stuffs Inspection for 1918.

The samples of the various brands of feeding-stuffs for the 1918 inspection were collected by representatives of Mr. Andrew L. Felker, Commissioner of Agriculture. Two hundred and eighty-eight samples were received and analyzed at the Experiment Station. The analytical data in this report have been prepared with the assistance of E. N. Sanders, P. B. Place, J. Bloomfield, C. L. Lane and W. L. Owen.

A list of the ingredients of the compounded feed-stuffs, as certified by the manufacturers, will be found on pages 16 to 20, and some suggestions concerning the other classes of feeds on pages 4 to 6.

Copies of this report will be sent free upon request to the Commissioner of Agriculture, Concord, N. H., or to the Director of the New Hampshire Experiment Station, Durham, N. H.

COTTONSEED MEALS.

There has been a decided drop in the quality of cottonseed meals. Lots containing 41% protein have entirely disappeared from the market. The 38% grades have almost disappeared. Much of the meal which comes into New Hampshire is "off" color and flavor. Nearly all lots contain large quantities of ground hulls.

COTTONSEED FEEDS.

These products are coming upon the market in various forms. Many carry about 20% protein and consist of a mixture of low-grade cottonseed meal and ground cottonseed hulls. One-fourth to one-third of the total weight may be cottonseed hulls. Cottonseed feed corresponding to the above description should not cost more than one-half as much as a good grade of cottonseed meal. The cottonseed meal in these products usually is "off" color and flavor.

WHEAT BY-PRODUCTS.

The wheat feeds are being milled more closely than heretofore and nearly all of the starchy portion of the wheat berry is removed. This is in keeping with the government milling requirements.

CORN PRODUCTS.

The corn products are of good quality.

OAT PRODUCTS.

The feed-stuffs which contain oat products should be scrutinized with much care. Some of these are very good in quality. Others are poor and carry large quantities of oat hulls. Oat hulls are now sold at wholesale at about $20 per ton. When they are mixed with other products and sold as a compounded feed, the consumer pays $40 to $50 per ton for them.

The extended use of oat products for human consumption has created a tremendous output of oat by-products, especially oat hulls. These are being ground and sold both as such and in mixtures. They move more readily when mixed with more valuable products and consequently they are being found in larger quantities in the compounded feeds.

At present there is not a very wide difference between the selling price of some stock feeds which contain large amounts of oat hulls and some thoroughly good products.

DISTILLERS' GRAINS.

Distillers' grains are of good quality but scarce.

FLAXSEED MEAL.

The flaxseed meals have been uniformly good.

GLUTEN FEED.

Gluten feeds and meals have maintained their quality.

PEANUT FEEDS.

Peanut feeds are coming into the state; some of these are of excellent quality, some are not.

BARLEY FEEDS.

Barley feeds are coming into our markets. These vary widely in composition. Some lots are ground hulls and screenings; other lots are much better. The feeds which contain barley products should be examined before they are purchased. They may or may not be desirable when the price and quality are considered.

HIGH-GRADE COMPOUNDED FEEDS.

The producers of the high-grade and high-protein dairy feeds are maintaining the quality of their products.

MOLASSES FEEDS.

The price and composition should largely determine whether they should be used.

POULTRY FEEDS.

Poultry feeds are very high priced. Usually they sell for about the price of the most expensive ingredient they contain even when that is present in very small quantities. The poultryman should examine what he buys and the price of the constituents of which it is composed.

THE GUARANTEE.

All feed-stuffs sold in New Hampshire should be guaranteed, both in respect to their chemical composition and the ingredients of which they are composed.

CRUDE FIBER.

The higher grades of compounded products contain relatively small amounts of crude fiber. The statement covering the ingredients of any mixture will show from what principal sources the fiber comes. The crude fiber appears in the guaranteed amount of carbohydrates. When the amount of crude fiber is deducted from the amount of carbohydrates, more accurate information is had about the amount of good carbohydrates the product contains. The crude fiber has little value because it has a very low digestibility.

The consumers of this state have access to information before buying. It is of little value to the consumer to know that he has bought badly after the article has been bought and paid for. He should be especially discriminating while prices are high. Freight rates are the same for both poor and good products. Also commissions and selling charges are as much, if not more, on the poor products, because they are more difficult to sell. The consumer should keep in mind the fact that oat and barley hulls, corn-cob meal and cottonseed hulls are no more valuable in a mixture than when they are unmixed.

Name of Sample.	Manufactured by.	Address.	Protein.		Fat.		Carbo-hydrates.		Ash.		Moisture		Crude Fibre.	
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
WHEAT FEEDS.														
Trojan Bran	The Allen & Wheeler Co	Troy, Ohio	14.98	14.00	4.00	4.00	63.22	52.00	6.50	....	11.3	....	....	9.5
Trojan Mixed Feed	The Allen & Wheeler Co	Troy, Ohio	15.06	14.50	4.55	4.00	64.29	52.00	5.30	....	10.8	....	....	8.0
William Tell Bran	Ansted & Burk Co	Springfield, Ohio	13.49	13.00	3.45	4.00	66.26	51.00	6.50	....	10.3	....	10.03	12.0
William Tell Mixed Feed	Ansted & Burk Co	Springfield, Ohio	14.71	14.00	4.10	4.50	65.29	56.00	6.30	....	9.6	....	....	8.5
William Tell Wheat Middlings	Ansted & Burk Co	Springfield, Ohio	15.81	15.00	4.12	5.00	64.77	58.00	3.90	....	11.4	....	....	5.5
Atlas Wheat Flour Middlings	Atlas Flour Mills	Milwaukee, Wis.	17.08	14.50	5.52	3.00	63.00	54.00	4.40	....	10.0	....	....	3.0
Atkinson's Wheat Bran	Made in Minneapolis	.....	16.73	13.00	5.79	4.00	61.78	....	6.50	....	9.2	....	....	13.0
Bailey's Fancy Mixed Feed	E. W. Bailey & Co	Montpelier, Vt.	15.11	15.00	4.21	3.75	63.58	41.00	5.90	....	11.2	....	....	10.0
(Nye) Mixed Feed	E. W. Bailey & Co	Montpelier, Vt.	16.81	....	3.75	....	62.84	....	5.00	....	11.6	....	....	....
Pennant Pure Winter Bran	E. W. Bailey & Co	Montpelier, Vt.	15.15	14.50	3.81	4.00	64.34	....	7.50	....	9.2	....	....	10.0
Pennant Pure Winter Bran	E. W. Bailey & Co	Montpelier, Vt.	15.24	14.50	4.04	4.00	63.82	....	7.00	....	9.9	....	....	10.0
Pennant Winter Bran	E. W. Bailey & Co	Montpelier, Vt.	15.06	14.50	4.02	4.00	63.22	....	6.80	....	10.9	....	....	10.0
Wheat Red Dog	Baldwin Flour Mills	Minneapolis, Minn.	14.63	16.00	5.04	5.00	68.63	....	2.70	....	9.0	....	....	4.0
White Satin Mixed Feed	Barber Milling Co	Minneapolis, Minn.	16.20	15.00	5.63	4.50	62.17	60.00	5.40	....	10.6	....	....	9.0
Winona Bran	Bay State Milling Co	Winona, Minn.	15.68	15.00	5.00	4.50	63.22	53.00	6.00	....	10.1	....	....	12.0
Big Diamond Wheat Bran	Big Diamond Mills Co	Minneapolis, Minn.	15.11	14.00	5.00	4.00	64.79	....	6.40	....	8.7	....	10.2	11.0
Bull Rush Bran	Campbell Flour Mills Co., Ltd.	Toronto & Peterboro, Canada	15.68	....	4.49	....	66.03	....	5.40	....	8.4	....	....	....
Bull Rush Bran	Campbell Flour Mills Co., Ltd.	Toronto & Peterboro, Canada	15.76	....	4.57	....	65.17	....	5.90	....	8.6	....	....	....
Wheat Standard Middlings	Cataract City Milling Co	Niagara Falls, N. Y.	17.43	15.00	5.82	4.50	61.95	....	5.20	....	9.6	....	....	10.0
Madelia Roller Mills Wheat Standard Middlings	C. S. Christensen Co	Madelia, Minn.	15.59	14.75	5.27	4.05	64.14	....	5.60	....	9.4	....	....	9.25
Wirthmore Middlings	Chas. M. Cox Co	Boston, Mass.	15.59	14.50	5.01	4.00	62.90	50.00	5.70	....	10.8	....	....	7.0
Wirthmore Wheat Feed	Chas. M. Cox Co	Boston, Mass.	15.68	15.00	4.55	4.50	65.97	50.00	4.70	....	9.1	....	....	7.0
Wirthmore Wheat Feed	Chas. M. Cox Co	Boston, Mass.	15.46	15.00	4.49	4.50	64.43	50.00	4.50	....	11.2	....	....	7.0
Wheat Bran	Crescent Milling Co	Fairfax, Minn.	14.45	14.20	4.68	3.80	65.17	....	5.7	....	10.0	....	....	12.0
Commander Wheat Flour Middlings	Commander Milling Co	Minneapolis, Minn.	17.34	16.00	5.97	4.50	62.79	....	4.5	....	9.4	....	....	7.0
Tiger Middlings	Detroit Milling Co	Detroit, Mich.	16.46	15.50	5.51	5.00	64.43	....	4.1	....	9.5	....	....	8.0
Boston Mixed Feed	Duluth Superior Milling Co.	Duluth, Minn.	15.85	15.00	5.17	4.00	62.88	....	5.1	....	11.0	....	....	9.0
Wheat Flour Middlings	Duluth Universal Mill Co	Duluth, Minn.	17.30	16.80	5.60	5.00	63.30	....	4.6	....	9.2	....	....	5.6
Eldred Pure Bran	Eldred Mill Co	Jackson, Mich.	15.76	14.21	3.69	3.68	65.55	54.17	5.8	....	9.2	....	....	10.88
Eldred Pure Middlings	Eldred Mill Co	Jackson, Mich.	17.43	17.00	4.78	4.60	62.99	....	4.9	....	9.9	....	....	....
Pure Mill Feed	Eldred Mill Co	Jackson, Mich.	16.46	14.87	4.26	4.05	63.68	56.22	6.0	....	9.6	....	....	9.63
Wheat Bran	Empire Milling Co	Minneapolis, Minn.	14.67	14.00	5.08	4.00	63.25	....	6.0	....	11.0	....	....	11.0
Dairy Maid Winter Wheat Bran	Federal Milling Co	Lockport, N. Y.	14.63	13.00	4.09	2.00	63.68	52.00	6.5	....	11.1	....	....	14.0
Dairy Maid Winter Wheat Middlings	Federal Milling Co	Lockport, N. Y.	15.14	13.50	5.17	2.25	64.58	53.00	4.1	....	11.0	....	....	8.5

Name of Sample.	Manufactured by.	Address.	Protein.		Fat.		Carbo-hydrates.		Ash.		Moisture.		Crude Fibre.	
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
WHEAT FEEDS.—*Continued.*														
Lucky Spring Wheat Bran	Federal Milling Co	Lockport, N. Y.	16.73	13.00	5.18	2.50	61.79	51.00	5.3	....	11.0	....	....	14.0
Lucky Spring Wheat Bran	Federal Milling Co	Lockport, N. Y.	15.59	13.00	4.63	2.50	62.38	51.00	5.5	....	11.9	....	....	14.0
Garland Mixed Feed	Garland Milling Co	Greensburg, Ind.	15.85	15.00	3.96	4.00	63.89	55.00	5.8	....	10.5	....	....	9.0
Grafton Wheat Feed	Grafton Rolling Mills Co	Grafton, N. Dak.	14.80	14.00	3.88	2.70	66.32	64.10	4.7	....	10.3	....	....	8.4
Impr. Grafton Wheat Feed	Grafton Rolling Mills Co	Grafton, N. Dak.	17.08	15.40	5.45	4.50	65.17	....	5.1	....	9.2	....	....	9.6
Gwinn's Dairy Feed	Gwinn Milling Co	Columbus, Ohio	16.40	15.00	4.95	4.00	64.19	....	4.9	....	9.5	....	....	9.0
Gwinn's Wheat Bran	Gwinn Milling Co	Columbus, Ohio	15.11	15.00	3.78	4.00	64.41	....	6.1	....	10.6	....	....	10.0
Gwinn's Wheat Middlings	Gwinn Milling Co	Columbus, Ohio	17.16	18.00	5.21	4.00	64.63	....	4.3	....	8.7	....	7.4	7.5
Choice Wheat Bran	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	16.03	13.75	5.72	3.00	63.25	52.60	5.8	....	9.2	....	....	12.5
Fancy White Middlings	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	17.51	16.00	5.40	4.75	64.79	59.00	3.1	....	9.2	....	4.2	5.85
Mixed Feed	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	18.04	14.75	5.67	3.75	61.69	53.25	5.1	....	9.5	....	....	11.5
Mixed Feed	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	17.69	14.75	5.44	3.75	63.47	53.25	5.1	....	8.3	....	....	11.5
Red Dog Flour	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	17.30	16.25	5.27	4.00	64.63	60.00	2.8	....	10.0	....	4.12	5.5
Standard Middlings	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	18.66	16.00	6.82	4.75	59.92	54.25	4.7	....	9.9	....	8.37	9.25
Standard Middlings	Hecker-Jones-Jewell Milling Co.	Buffalo, N. Y.	18.65	16.00	6.42	4.75	59.23	54.25	4.9	....	10.8	....	....	9.25
Jenks' Wheat Mixed Feed	The Huron Milling Co	Harbor Beach, Mich.	13.14	12.18	4.28	4.60	67.98	68.32	5.2	....	9.4	....	....	5.85
Lucky Strike Stock Feed	Ill. Feed Mills	St. Louis, Mo.	14.06	12.00	3.03	3.00	69.11	67.00	4.7	....	9.1	....	....	20.0
Blue Tag Mixed Feed	F. W. Kelley Co	St. Johnsbury, Vt.	14.89	16.00	4.38	4.00	67.03	....	4.4	....	9.3	....	....	7.5
Anchor Brand	Kemper Mill & Elevator Co	Kansas City, Mo.	16.55	14.50	3.06	4.00	65.09	53.50	6.2	....	9.1	....	....	10.0
Snow Flake Mixed Feed	Lawrenceburg Roller Mills Co.	Lawrenceburg, Ind.	17.51	15.20	4.77	4.30	62.32	....	5.8	....	9.6	....	....	8.0
Elmco Fancy Wheat Bran	Listman Mill Co	Lacrosse, Wis.	16.29	14.90	4.91	3.80	65.10	....	5.7	....	11.6	....	....	12.0
Elmco Red Dog Flour	Listman Mill Co	Lacrosse, Wis.	16.29	14.56	3.45	2.85	67.46	....	2.2	....	10.6	....	....	3.0
Fancy Canadian Middlings	Maple Leaf Milling Co	Toronto, Canada	15.86	16.00	5.15	5.50	64.69	....	4.2	....	10.1	....	....	10.0
Maple Leaf Wheat Bran	Maple Leaf Milling Co	Toronto, Canada	16.25	15.50	5.50	4.50	62.25	....	4.8	....	11.2	....	....	12.0
Rex Wheat Middlings	Maple Leaf Milling Co	Toronto, Canada	17.45	16.00	5.94	5.50	62.91	....	4.6	....	9.1	....	....	10.0
Wheat Bran	Maple Leaf Milling Co	Toronto, Canada	16.75	15.50	5.56	4.50	63.39	....	5.3	....	9.0	....	....	12.0
Middlings	McQuesten & Lewis	Manchester, N. H.	12.69	....	3.23	....	70.48	....	2.3	....	11.3	....	....	....
Harter's Mainspring Feed	The Mennel Milling Co	Toledo, Ohio	16.55	15.00	5.39	4.00	63.76	....	5.4	....	8.9	....	10.05	8.0
Pure Wheat Bran	Millbourne Mills	Philadelphia, Pa.	14.89	15.00	3.48	4.00	66.13	....	6.6	....	8.9	....	....	10.0
Pure Wheat Bran	National Feed Co	St. Louis, Mo.	14.89	14.50	4.78	4.00	64.23	54.00	6.3	....	9.8	....	....	10.0
Wheat Mixed Feed	National Feed Co	St. Louis, Mo.	15.85	15.00	3.86	4.00	67.12	54.00	5.3	....	8.0	....	....	9.0
Highest Quality Pennant Feed	National Milling Co	Toledo, Ohio	16.29	15.00	5.53	3.75	64.18	49.00	4.7	....	9.3	....	....	8.5
Pennant Mixed Feed	National Milling Co	Toledo, Ohio	15.76	15.00	4.81	3.75	63.73	49.00	5.3	....	10.4	....	....	8.5
Powerful Standard Middlings	The New England Flour Co	Boston, Mass.	16.38	15.00	6.37	4.00	63.45	....	4.5	....	9.3	....	....	11.0
Planet Feed	Northwestern Consol. Milling Co.	Minneapolis, Minn.	16.64	15.00	5.87	4.00	62.89	55.00	5.3	....	9.3	....	....	8.0
Pure Wheat Bran	Northwestern Consol. Milling Co.	Minneapolis, Minn.	16.33	14.50	4.45	4.00	64.12	50.00	6.8	....	8.3	....	....	11.0
XXX Comet	Northwestern Consol. Milling Co.	Minneapolis, Minn.	18.85	16.50	5.96	4.00	63.51	60.00	3.5	....	8.2	....	....	3.0
Wheat Bran	The Ogilvie Flour Mills Co	Montreal, Canada	15.24	13.00	4.92	4.00	62.94	50.00	6.40	....	10.5	....	....	15.0
Wheat Bran	The Ogilvie Flour Mills Co	Montreal, Canada	16.99	13.00	4.78	4.00	64.13	50.00	5.7	....	8.4	....	....	15.0
Wheat Brown Middlings	The Ogilvie Flour Mills Co	Montreal, Canada	15.46	15.00	5.28	4.00	61.16	52.00	7.5	....	10.6	....	....	11.0

WHEAT FEEDS.—*Continued.*													
Pillsbury's Durum Wheat Bran	Pillsbury Milling Co	Minneapolis, Minn.	12.61	11.00	5.66	4.00	67.53	53.00	5.3	....	8.9	....	....	14.0
Pillsbury's Fancy Wheat Mixed Feed	Pillsbury Milling Co	Minneapolis, Minn.	16.34	16.00	5.10	4.00	62.96	58.00	4.7	....	10.9	....	....	10.0
Pillsbury's Wheat A Middlings	Pillsbury Milling Co	Minneapolis, Minn.	12.78	15.00	5.34	4.00	64.08	55.00	8.1	....	9.7	....	....	8.0
Pillsbury's Wheat Bran	Pillsbury Milling Co	Minneapolis, Minn.	15.68	13.00	4.78	4.00	63.74	50.00	6.7	....	9.1	....	9.54	13.0
Pillsbury's Wheat Standard Brown Middlings	Pillsbury Milling Co	Minneapolis, Minn.	16.00	14.00	5.49	4.00	52.91	52.00	5.00	....	10.6	....	....	11.0
Pillsbury's Wheat Standard Middlings	Pillsbury Milling Co	Minneapolis, Minn.	16.20	14.00	6.08	4.00	63.62	52.00	5.2	....	8.9	....	....	11.0
Pillsbury's (XX) Daisy Middlings	Pillsbury Milling Co	Minneapolis, Minn.	18.40	16.00	6.57	4.00	60.67	60.00	3.5	....	10.7	....	....	4.0
Pillsbury's (XX) Daisy Middlings	Pillsbury Milling Co	Minneapolis, Minn.	19.05	16.00	5.32	4.00	62.43	60.00	3.6	....	9.6	....	....	4.0
Champion Mixed Feed	Portland Milling Co	Portland, Mich.	14.45	13.56	3.86	3.58	65.19	59.54	4.8	....	11.7	....	....	8.47
Bran	Quaker City Flour Mills Co	Philadelphia, Pa.	15.50	13.00	3.94	3.60	64.66	50.00	6.4	....	9.5	....	....	10.0
Richardton Mixed Feed	Richardton Roller Mills	Richardton, No. Dak.	19.88	16.76	5.15	3.70	59.27	....	4.6	....	11.1	....	....	9.2
Royal Bran	Royal Milling Co	Great Falls, Mont.	17.34	14.50	4.38	3.00	62.38	50.00	5.3	....	10.4	....	....	9.0
Royal Wheat Mixed Feed	Royal Milling Co	Great Falls, Mont.	17.16	16.60	4.37	3.50	65.17	53.75	5.2	....	8.1	....	7.11	8.0
Bran	Russell-Miller Milling Co	Minneapolis, Minn.	17.04	13.00	4.98	4.00	62.58	....	6.2	....	9.2	....	....	11.0
Bran	Russell-Miller Milling Co	Minneapolis, Minn.	15.06	13.00	4.19	4.00	63.95	....	6.7	....	10.1	....	....	11.0
Flour Middlings	Russell-Miller Milling Co	Minneapolis, Minn.	19.44	15.00	6.36	5.00	61.90	....	3.4	....	8.9	....	....	6.0
Occident Wheat Feed	Russell-Miller Milling Co	Minneapolis, Minn.	17.43	15.00	5.32	4.50	63.65	....	5.1	....	8.5	....	....	10.0
Occident Wheat Feed	Russell-Miller Milling Co	Minneapolis, Minn.	18.21	15.00	4.99	4.50	61.40	....	4.9	....	10.5	....	....	10.0
Standard Middlings	Russell-Miller Milling Co	Minneapolis, Minn.	16.71	15.00	5.57	4.00	64.22	....	5.1	....	8.4	....	....	9.0
Snow Ball Wheat White Middlings	Shane Bros. & Wilson Co	Minneapolis, Minn.	17.25	15.00	5.40	4.50	63.15	....	4.2	....	10.0	....	7.39	7.0
Gold Mine Feed	Sheffield King Milling Co	Minneapolis, Minn.	17.69	15.00	5.81	4.50	61.90	....	5.2	....	9.4	....	....	9.9
Red Dog Feed	St. Albans Grain Co	St. Albans, Vt.	17.25	15.00	4.68	4.00	65.07	55.00	3.2	....	9.8	....	4.09	7.0
Komo Bran	St. Paul Milling Co	St. Paul, Minn.	15.50	14.00	5.03	4.00	63.07	50.00	5.9	....	10.5	....	....	12.0
Try-Me Mixed Feed	Soarks Milling Co	Alton, Ill.	16.55	16.00	3.81	3.50	63.94	50.00	5.4	....	10.3	....	....	9.0
Star Bran	Star & Crescent Milling Co	Chicago, Ill.	15.76	15.00	4.23	4.00	62.91	....	6.3	....	10.8	....	9.10	10.0
Bran	F. W. Stock & Sons	Hillsdale, Mich.	13.75	14.00	4.35	3.00	65.60	45.00	6.6	....	9.7	....	....	10.0
Bran	F. W. Stock & Sons	Hillsdale, Mich.	15.06	14.00	3.09	3.00	64.55	45.00	5.7	....	11.6	....	....	10.0
Monarch Fancy Wheat Feed	F. W. Stock & Sons	Hillsdale, Mich.	17.08	16.00	4.89	4.00	62.23	45.00	5.8	....	10.0	....	....	10.0
Stott's Fine White Middlings	David Stott Flour Mills	Detroit, Mich.	14.98	14.00	3.70	4.00	67.72	60.00	3.2	....	10.4	....	....	5.5
Spring Wheat Bran and Wheat Screenings	David Stott Flour Mills	Detroit, Mich.	15.51	13.50	4.41	4.00	64.45	50.00	5.8	....	9.8	....	....	11.5
Stag Flour	David Stott Flour Mills	Detroit, Mich.	14.28	12.80	2.39	2.00	72.63	67.00	1.2	....	9.5	....	....	1.5
Stott's Fine White Middlings	David Stott Flour Mills	Detroit, Mich.	14.71	14.50	3.88	4.00	66.12	60.00	3.3	....	12.1	....	....	5.5
Stott's Honest Mixed Feed	David Stott Flour Mills	Detroit, Mich.	14.54	14.50	4.46	4.00	63.00	52.50	5.8	....	11.2	....	....	8.5
Stratton & Co.'s Fancy Bran	Stratton & Co	Concord, N. H.	14.54	15.00	4.57	4.00	66.19	....	5.4	....	9.3	....	....	11.0
Stratton & Co.'s Middlings	Stratton & Co	Concord, N. H.	15.24	16.20	5.24	4.26	65.72	....	3.7	....	10.1	....	....	6.5
Stratton & Co.'s Mixed Feed	Stratton & Co	Concord, N. H.	14.28	15.87	4.96	4.92	64.46	....	4.9	....	11.4	....	....	9.12
Stratton & Co.'s Mixed Feed	Stratton & Co	Concord, N. H.	15.15	15.87	5.45	4.92	65.20	....	4.7	....	9.5	....	....	9.12
Wheat Bran	Geo. Urban Milling Co	Buffalo, N. Y.	16.73	14.00	5.65	3.50	63.52	....	5.7	....	8.4	....	....	12.5
Rowena Wheat Cow Feed	Valley City Milling Co	Grand Rapids, Mich.	14.98	14.50	4.97	4.82	62.75	....	5.6	....	11.7	....	8.92	9.0
Vallier's Wheat Bran	Vallier & Spies Milling Co	St. Louis, Mo.	15.85	14.50	4.34	3.50	62.91	50.00	6.30	....	10.6	....	10.0	10.0
Crescent Middlings	Voigt Milling Co	Grand Rapids, Mich.	14.98	14.50	4.62	2.50	64.89	....	3.9	....	11.6	....	....	10.0
Pure Crescent Bran	Voigt Milling Co	Grand Rapids, Mich.	15.33	14.00	4.96	4.00	64.11	....	5.8	....	9.8	....	....	11.0
Pure Crescent Middlings	Voigt Milling Co	Grand Rapids, Mich.	15.24	14.50	5.51	3.50	66.95	....	4.0	....	8.2	....	....	10.0
Victor Spring Wheat Mixed Feed	Victor Milling Co	Victor, N. Y.	15.94	15.00	5.01	4.50	65.75	53.31	4.5	....	8.8	....	....	10.0
Voigt's Pure Bran	Voigt Milling Co	Grand Rapids, Mich.	14.01	15.00	3.33	4.50	65.46	....	6.1	....	11.1	....	....	10.0
Mill Run Bran Mixed Feed	Waggoner-Gates Milling Co	Independence, Mo.	16.80	15.00	4.15	4.00	63.50	50.00	6.3	....	9.2	....	....	10.0

Name of Sample.	Manufactured by.	Address.	Protein.		Fat.		Carbo-hydrates.		Ash.		Moisture.		Crude Fibre.	
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
WHEAT FEEDS.—*Continued.*														
Adrian Red Dog Flour	Washburn-Crosby Co.	Minneapolis, Minn.	17.74	16.00	5.58	4.00	62.68	50.00	3.6	....	10.4	....	....	4.0
Adrian Red Dog Flour	Washburn-Crosby Co.	Minneapolis, Minn.	17.50	16.00	4.81	4.00	64.89	60.00	2.5	....	10.5	....	2.13	4.0
Wheat Bran	Washburn-Crosby Co.	Minneapolis, Minn.	14.71	13.00	4.85	4.00	62.84	50.00	6.5	....	11.1	....	....	13.0
Wheat Bran	Washburn-Crosby Co.	Minneapolis, Minn.	14.67	13.00	4.47	4.00	65.46	50.00	6.4	....	9.0	....	....	13.0
Wheat Mixed Feed	Washburn-Crosby Co.	Minneapolis, Minn.	16.91	14.00	5.23	4.00	64.76	58.00	4.6	....	8.5	....	....	10.0
Wheat Standard Middlings	Washburn-Crosby Co.	Minneapolis, Minn.	14.90	14.00	5.21	4.00	65.21	52.00	5.3	....	9.3	....	10.41	11.0
Blue Seal Wheat Feed	H. K. Webster Co.	Lawrence, Mass.	16.73	16.00	5.07	4.00	63.80	....	5.0	....	9.4	....	....	7.0
Star Winter Wheat, Bran and Screenings	The Western Star Mill Co.	Salina, Kans.	16.99	15.00	4.18	3.50	62.53	50.00	6.5	....	9.8	....	....	11.0
Kent Mixed Feed	Williams Bros. Co.	Kent, Ohio	14.01	12.00	4.00	2.00	67.19	....	4.7	....	10.1	....	....	8.0
Nokomas Wheat Bran	Yerxa-Andrew Thurston	Minneapolis, Minn.	15.33	12.00	5.00	5.50	64.57	50.00	5.0	....	10.1	....	....	13.0
COTTONSEED MEALS.														
Capital Cottonseed	E. W. Bailey & Co.	Montpelier, Vt.	35.55	36.00	6.25	6.00	43.00	....	6.0	....	9.2	....	....	12.0
Cottonseed Meal	E. W. Bailey & Co.	Montpelier, Vt.	33.63	....	5.80	....	45.37	....	5.3	....	9.9	....	....	....
Columbia Cottonseed Feed	Union Seed Fert. Co.	Huntsville, Ala.	20.31	20.56	4.23	3.00	62.86	35.00	3.9	....	8.7	....	23.9	25.0
Dove Brand Prime Cottonseed Meal	F. W. Brode & Co.	Memphis, Tenn.	38.53	38.63	8.68	6.00	36.88	22.00	5.6	....	10.1	....	....	12.0
Jay Brand Cottonseed Feed	F. W. Brode & Co.	Memphis, Tenn.	37.13	36.00	7.05	5.00	39.52	30.00	6.7	....	9.6	....	....	14.0
Jay Cottonseed Feed	F. W. Brode & Co.	Memphis, Tenn.	32.75	36.00	6.98	5.00	44.57	30.00	6.0	....	9.7	....	....	14.0
Buckeye Good Cottonseed Meal	The Buckeye Cotton Oil Co.	Cincinnati, Ohio	36.00	36.00	6.13	5.00	43.91	30.00	5.5	....	8.1	....	....	14.0
Buckeye Good Cottonseed Meal	The Buckeye Cotton Oil Co.	Cincinnati, Ohio	36.39	36.00	6.45	5.00	42.76	30.00	5.9	....	8.5	....	....	14.0
Beauty Cottonseed Feed	S. P. Davis	Little Rock, Ark.	36.25	36.00	6.19	6.00	45.16	....	6.3	....	6.1	....	....	14.0
East St. Louis Brand Cottonseed Meal	East St. Louis Cotton Oil Co.	Nat. Stock Yards, Ill.	37.56	38.50	6.18	6.00	44.06	....	6.1	....	6.1	....	....	12.0
St. Clair Cottonseed Meal	East St. Louis Cotton Oil Co.	Nat. Stock Yards, Ill.	35.06	36.00	5.86	5.00	44.18	....	6.4	....	8.5	....	....	16.0
Gilt Edge Cottonseed Meal	Empire Cotton Oil Co.	Atlanta, Ga.	34.59	36.00	6.72	5.50	45.49	30.00	5.1	....	8.1	....	....	14.0
Gilt Edge Brand Cottonseed Meal	Empire Cotton Oil Co.	Atlanta, Ga.	36.13	36.00	6.38	5.50	44.29	30.00	5.2	....	8.0	....	....	14.0
Danish Cottonseed Meal	Humphreys-Godwin Co.	Memphis, Tenn.	36.13	36.00	6.89	5.00	42.88	25.00	6.0	....	8.1	....	....	15.0
Danish Brand Cottonseed Meal	Humphreys-Godwin Co.	Memphis, Tenn.	35.29	36.00	6.50	5.00	44.34	25.00	5.9	....	8.5	....	....	15.0
Forfat Brand Cottonseed Meal	Humphreys-Godwin Co.	Memphis, Tenn.	36.95	38.55	6.77	6.00	40.98	24.00	6.6	....	8.7	....	....	12.0
77 Cottonseed Feed	Humphreys-Godwin Co.	Memphis, Tenn.	19.36	20.00	4.47	4.00	63.97	....	5.5	....	6.7	....	....	28.0
Kineda Prime Cottonseed Meal	J. M. MacDonald	1914 Union Central Bldg., Cincinnati	38.35	38.60	6.04	6.00	40.83	22.00	6.28	....	8.5	....	....	12.0
Tip Top Good Cottonseed	Meridian Grain & Elevator Co.	Meridian, Miss.	35.11	36.00	6.00	5.00	39.24	20.00	9.3	....	10.3	....	....	15.0
Tip Top Good Cottonseed	Meridian Grain & Elevator Co.	Meridian, Miss.	36.69	36.00	6.89	5.00	40.02	20.00	7.9	....	8.5	....	....	15.0
Globe Brand Cottonseed Feed	C. L. Montgomery & Co.	Memphis, Tenn.	20.19	20.00	3.51	3.50	63.20	....	4.2	....	8.9	....	....	27.0
Planter's Perfect Brand Cottonseed Feed	Planter's Oil Mill & Gin Co.	Kosciusko, Miss.	19.25	20.00	3.81	3.50	63.04	....	4.1	....	9.7	....	23.0	25.0
Puritan Cottonseed Meal	J. E. Soper Co.	Boston, Mass.	36.91	36.00	6.58	5.00	40.41	30.00	7.1	....	9.0	....	....	15.0

COTTONSEED MEALS.—*Cont'd.*															
Good Cottonseed Meal	The Southern Oil Co	New Orleans, La	33.10	36.00	5.61	5.00	16.79	25.00	6.2	....	8.3	....	....	18.0
No. 7 Cottonseed Feed Meal	Union Seed & Fertilizer Co	New York, N. Y	34.41	36.00	6.15	5.50	74.94	27.00	5.4	....	9.1	....	....	14.0
Surety Brand Cottonseed Meal	Union Seed & Fertilizer Co	New York, N. Y	38.00	36.00	7.83	5.50	39.97	27.00	6.1	....	8.1	....	....	14.0
HOMINY FEEDS.															
Spring Garden Hominy Feed	Baltimore Pearl Hominy Co	Baltimore, Md	13.08	10.00	6.99	6.00	69.03	....	3.3	....	8.6	....	5.77	6.00
MOLASSES FEEDS.															
Clover Leaf Dairy Feed	Clover Leaf Milling Co	Buffalo, N. Y	16.46	13.50	4.28	3.50	58.56	50.00	11.2	....	9.4	....	16.81	15.00
International Planter's Dairy Feed	International Sugar Feed Co	Minneapolis, Minn	22.17	22.00	3.76	3.50	58.07	37.00	6.8	....	8.9	....	14.92	18.50
International Ready Ration	International Sugar Feed Co	Minneapolis, Minn	19.98	20.00	5.57	5.00	53.55	45.00	9.3	....	11.6	....	13.86	15.00
International Special Dan Patch Horse Feed	International Sugar Feed Co	Minneapolis, Minn	13.04	9.00	3.36	3.00	63.80	65.00	8.3	....	11.5	....	14.83	15.00
International Special Dairy Feed	International Sugar Feed Co	Minneapolis, Minn	15.68	15.00	5.50	4.50	60.72	50.00	10.0	....	8.1	....	18.31	14.00
Quaker Dairy Feed with Molasses	Quaker Oats Co	Chicago, Ill	17.95	15.00	5.75	5.50	59.70	47.50	5.9	....	10.7	....	15.45	16.00
Quaker Dairy Feed	Quaker Oats Co	Chicago, Ill	16.46	16.00	5.69	5.50	58.95	47.50	9.5	....	9.4	....	18.08	16.00
Purina O-Molene Feed	Ralston Purina Co., Inc	St. Louis & Buffalo	10.59	9.70	3.76	3.20	71.95	67.50	4.8	....	8.9	....	12.41	8.00
POULTRY FEEDS.															
Queen Poultry Mash	The Albert Dickinson Co	Chicago, Ill	11.38	11.00	5.01	2.50	70.88	60.00	3.7	....	9.0	....	8.64	10.00
Blatchford's Fill the Basket Egg Mash	Blatchford Calf Meal Factory	Waukegan, Ill	21.33	19.00	4.89	4.00	53.78	54.00	12.0	....	8.0	....	9.36	10.00
Blatchford's Milk Mash	Blatchford Calf Meal Factory	Waukegan, Ill	19.18	20.00	4.79	4.00	56.05	52.00	10.2	....	9.8	....	7.94	7.50
Buffeco Poultry Mash	Buffalo Cereal Co	Buffalo, N. Y	15.59	15.00	5.67	4.00	65.94	....	3.0	....	9.8	....	5.69	6.00
E. A. Cowee's Climax Poultry Mash	E. A. Cowee Co	Worcester, Mass	18.83	20.00	4.90	3.50	57.07	....	10.6	....	8.6	....	7.57	10.00
Wirthmore Fish and Scrap Poultry Mash	Chas. M. Cox Co	Boston, Mass	18.13	17.00	3.11	4.00	56.76	....	11.5	....	10.5	....	....	4.50
Wirthmore Growing Feed with Scraps	Chas. M. Cox Co	Boston, Mass	15.90	15.00	5.43	4.50	59.97	50.00	8.6	....	10.1	....	6.35	4.50
Wirthmore Mash Feed (fish and scrap)	Chas. M. Cox Co	Boston, Mass	19.70	20.00	4.75	4.00	59.19	50.00	9.2	....	8.3	....	9.74	8.50
Green's Meat Mash for Poultry	Greene Chick Feed Co	Marblehead, Mass	14.67	12.00	5.14	3.00	59.19	....	11.5	....	9.5	....	9.51	7.00
Red Comb Meat Mash with Shell	Hales & Edwards Co	Chicago, Ill	20.67	15.00	4.69	4.00	58.41	45.00	6.3	....	9.9	....	8.94	10.00
Hinckley Poultry Feed	Hinckley Rendering Co	Somerville, Mass	35.76	25.00	13.41	8.00	....	....	10.0	....	4.4	....	....	....
Manchester Poultry Feed	Manchester Rendering Co	Manchester, N. H	37.00	40.00	15.91	8.00	....	....	35.7	....	5.7	....	....	....
Poultry Mash	McQuesten & Lewis	Manchester, N. H	21.01	14.00	4.31	2.50	57.55	60.00	7.30	....	9.8	....	7.22	7.00
Lay or Bust Dry Mash	Park & Pollard	Boston, Mass	18.21	18.00	5.31	1.50	55.28	40.00	11.40	....	9.8	....	6.55	12.0
Lay or Bust Dry Mash	Park & Pollard	Boston, Mass	19.61	18.00	4.65	1.50	58.55	40.00	9.20	....	8.0	....	10.89	12.0
Portland Poultry Feed	Portland Rendering Co	Portland, Me	38.75	40.00	14.83	9.00	....	....	....	....	6.0	....	....	....
Quaker Poultry Mash	Quaker Oats Co	Chicago, Ill	18.71	17.50	5.03	4.00	58.63	52.00	8.90	....	8.70	....	8.08	10.0
Schumacher Poultry Mash	Quaker Oats Co	Chicago, Ill	17.51	17.50	5.19	4.00	61.50	52.00	5.70	....	9.8	....	....	10.0
Purina Chicken Chowder Feed	Ralston Purina Co., Inc	Buffalo & St. Louis	20.93	19.60	4.63	4.00	57.44	56.00	7.30	....	9.7	....	9.06	9.0
Chic Chuk	Russia Cement Co	Gloucester, Mass	30.35	30.00	2.28	2.00	....	....	3.65	....	4.5	....	....	1.0
Stratton's Poultry Mash with Shell	Stratton & Co	Concord, N. H	17.16	15.00	4.69	4.00	59.15	45.00	10.00	....	9.0	....	8.19	10.0
Syragold Dry Mash	Syracuse Milling Co	Syracuse, N. Y	16.81	12.00	4.13	3.00	56.96	40.00	12.80	....	9.3	....	6.61	5.00
Ti-O Ga Laying Food	Tioga Mill & Elevator Co	Waverly, N. Y	20.23	16.00	5.04	2.50	48.33	....	17.6	....	8.8	....	6.68	6.00
Blue Seal Dry Mash for Poultry	H. K. Webster Co	Lawrence, Mass	18.52	16.00	4.89	3.00	54.58	....	13.4	....	8.6	....	6.95	10.0
Meat and Bone Poultry Scrap	Whitman & Pratt Rendering Co	Boston, Mass	39.41	35.60	14.46	12.00	....	....	3.69	....	6.1	....	....	....
Dry Mash			15.24	....	1.49	....	64.57	....	6.2	....	9.5	....	10.69	....

Name of Sample.	Manufactured by.	Address.	Protein.		Fat.		Carbo-hydrates.		Ash.		Moisture.		Crude Fibre.	
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
COMPOUNDED FEEDS.														
Acme Stock Feed	Acme Evans Co.	Indianapolis, Ind.	9.37	8.50	5.50	3.25	73.23	....	4.80	....	7.1	....	14.20	13.0
Portage Stock Feed	Akron Feed & Milling Co.	Akron, Ohio	8.50	8.50	6.45	4.00	70.45	....	5.70	....	8.9	....	13.69	10.0
Stag Stock Feed	The Albert Dickinson Co.	Chicago, Ill.	9.28	9.00	4.21	3.00	71.31	60.00	5.50	....	9.7	....	10.15	12.0
Ohio Farm Feed	Ansted & Burk Co.	Springfield, Ohio	12.43	11.50	4.23	4.50	68.51	59.00	4.20	....	10.6	....	8.03	8.5
Pennant Stock Feed	E. W. Bailey	Swanton, Vt.	8.23	10.00	5.49	6.50	74.08	....	3.00	....	9.4	....	9.42	10.0
Pennant Stock Feed	E. W. Bailey	Swanton, Vt.	10.16	10.00	5.21	6.50	71.53	....	3.50	....	9.6	....	10.06	10.0
Buffeco Horse Feed	Buffalo Cereal Co.	Buffalo, N. Y.	11.99	11.00	4.39	4.00	71.22	60.00	4.30	....	8.1	....	12.11	9.0
Buffeco Steam Cooked Feed	Buffalo Cereal Co.	Buffalo, N. Y.	9.11	9.00	4.27	4.00	72.02	....	3.90	....	10.7	....	8.29	9.0
Buffeco Stock Feed	Buffalo Cereal Co.	Buffalo, N. Y.	11.12	10.00	5.00	5.00	69.98	60.00	4.20	....	9.7	....	13.71	10.0
Wirthmore Stock Feed	Chas. M. Cox Co.	Boston, Mass.	10.94	9.00	6.23	4.00	69.13	60.00	3.50	....	10.2	....	9.21	9.5
Wirthmore Stock Feed	Chas. M. Cox Co.	Boston, Mass.	11.12	9.00	5.46	4.00	70.62	....	4.50	....	8.3	....	11.80	9.5
Crawford's Stock Feed	Crawford Bros.	Walton, N. Y.	11.52	9.00	5.77	4.00	69.51	....	4.30	....	8.9	....	12.02	13.0
Stock Feed	John W. Eschelman	Lancaster, Pa.	13.66	10.00	4.93	3.00	70.91	....	5.20	....	7.3	....	13.53	9.0
Grandin's Stock Feed	D. H. Grandin's Milling Co.	Jamestown, N. Y.	10.07	9.00	5.90	5.00	71.23	55.00	4.00	....	8.8	....	12.52	14.00
Grandin's Stock Feed	D. H. Grandin's Milling Co.	Jamestown, N. Y.	10.54	9.00	6.35	5.00	70.31	55.00	4.10	....	8.6	....	11.66	14.0
Harvest Horse Feed	Hales & Edwards Co.	Chicago, Ill.	14.28	10.00	2.08	2.00	65.44	45.00	8.30	....	9.9	....	14.75	15.0
Algrane Milk Feed	H-O Co.	Buffalo, N. Y.	16.55	14.00	3.18	4.00	65.17	....	5.70	....	9.4	....	17.21	10.0
Lucky Strike Stock Feed	Ill. Feed Mills.	St. Louis, Mo.	11.29	11.00	4.16	3.00	69.15	67.00	7.20	....	8.2	....	15.18	15.00
Lucky Strike Stock Feed	Ill. Feed Mills.	St. Louis, Mo.	9.98	11.00	3.56	3.00	71.76	53.00	5.60	....	9.1	....	17.33	15.0
Domino (formerly) Stock Feed	Nowak Milling Co.	Buffalo, N. Y.	9.19	9.00	5.74	3.00	71.47	45.00	4.40	....	9.2	....	12.30	12.0
Park & Pollard Stock Feed	Park & Pollard Co.	Boston, Mass.	9.81	9.00	6.21	1.50	69.18	....	4.3	....	10.5	....	10.89	12.00
Buckeye Feed	Quaker Oats Co.	Chicago, Ill.	16.55	15.50	4.83	4.50	61.92	63.00	5.6	....	8.1	....	8.72	8.50
Schumacher Feed	Quaker Oats Co.	Chicago, Ill.	11.61	10.00	5.97	3.25	67.42	62.00	5.4	....	9.6	....	12.69	10.00
Schumacher Feed	Quaker Oats Co.	Chicago, Ill.	11.38	10.00	4.29	3.25	70.63	62.00	3.6	....	10.1	....	12.21	10.00
Purina Pig Chow	Ralston Purina Co.	St. Louis & Buffalo	15.15	....	5.74	....	65.41	....	4.5	....	9.2	....	14.50	....
Emergency Horse Feed	St. Albans Grain Co.	St. Albans, Vt.	10.59	9.00	4.88	4.00	71.83	60.00	4.1	....	8.6	....	12.93	10.50
Stock Feed	Stratton & Co.	Concord, N. H.	9.37	8.80	4.52	3.35	73.41	66.00	3.5	....	9.2	....	13.71	10.50
Blue Grass Valley Feed	A. Waller & Co.	Henderson, Ky.	8.91	9.00	2.70	2.00	74.69	....	4.7	....	9.0	....	17.38	17.00
Blue Seal Stock Feed	H. K. Webster Co.	Lawrence, Mass.	12.61	10.00	4.72	4.00	68.37	....	4.8	....	9.5	....	11.87	8.00
ALFALFA MEALS.														
Otto Weiss Alfalfa Meal	The Otto Weiss Milling Co.	Wichita, Kans.	15.54	12.00	2.74	1.00	64.82	35.00	8.9	....	8.0	....	....	35.00
The Park & Pollard Co. Alfalfa	The Park & Pollard Co.	Boston, Mass.	16.25	12.00	2.37	1.50	67.18	40.00	9.3	....	4.9	....	....	30.00
Alfalfa	Stratton & Co.	Concord, N. H.	16.73	....	2.64	....	60.83	....	10.7	....	9.1	....	....	....
Wichita Pure Alfalfa Meal	Wichita Alfalfa Stock Food Co.	Wichita, Kans.	15.59	12.00	2.40	1.50	65.51	....	8.0	....	8.5	....	....	30.00
CALF MEALS.														
Blatchford's Calf Meal	Blatchford Calf Meal Factory.	Waukegan, Ill.	20.58	24.00	8.54	5.00	56.38	53.00	5.0	....	9.5	....	7.63	6.75
Blatchford's Calf Meal	Blatchford Calf Meal Factory.	Waukegan, Ill.	24.23	24.00	6.74	5.00	54.93	53.00	5.6	....	8.5	....	7.30	6.75

CALF MEALS.—*Continued.*													
International Grofast Calf Meal	International Sugar Feed Co.	Minneapolis, Minn.	25.00	25.00	5.32	5.00	54.38	46.00	5.8	....	9.5	....	9.50	10.00
Schumacher Calf Feed	The Quaker Oats Co.	Chicago, Ill.	16.73	18.00	9.85	8.00	59.92	54.00	4.0	....	9.5	....	3.22	4.00
Ryde's Cream Calf Meal	Ryde & Co.	Chicago, Ill.	24.61	25.00	5.64	5.00	53.85	....	5.4	....	10.5	....	8.80	6.00
Ryde's Cream Calf Meal	Ryde & Co.	Chicago, Ill.	25.25	25.00	5.92	5.00	53.43	....	6.3	....	9.1	....	9.24	6.00
BEET PULP.														
Dried Beet Pulp	Continental Sugar Co.	Blissfield, Mich.	10.59	8.00	1.58	0.50	74.43	58.00	3.6	2.5	9.8	....	....	20.00
Dried Beet Pulp	The Hottelet Co.	Milwaukee, Wis.	9.37	8.00	0.43	0.50	78.60	60.00	3.3	....	8.5	....	....	20.00
Dried Beet Pulp	The Larrowe Milling Co.	Detroit, Mich.	9.42	8.00	0.56	0.50	76.92	58.00	3.2	2.5	9.9	....	....	20.00
Dried Beet Pulp	Menominee River Sugar Co.	Menominee, Mich.	9.42	8.00	0.69	0.50	78.09	58.00	2.3	2.5	9.5	....	....	20.00
Dried Beet Pulp	Michigan Sugar Co.	Sebewaing, Mich.	8.58	8.00	0.66	0.50	78.56	58.00	3.6	2.5	8.6	....	....	20.00
Dried Beet Pulp	West Bay City Sugar Co.	Bay City, Mich.	8.32	8.00	0.88	0.50	78.50	58.00	3.4	2.5	8.9	....	....	20.00
DISTILLERS' GRAINS.														
Corby Dried Brewers' Grains	The Corby Co.	Washington, D. C.	17.25	16.00	5.40	5.00	67.25	....	2.1	....	8.0	....	19.02	22.00
Bull Brand Dried Brewers' Grain	Farmers' Feed Co.	New York	27.23	27.00	7.54	6.00	55.53	....	3.9	....	5.8	....	19.70	15.00
Fleischmann's Dried Grains	The Fleischmann Co.	Chicago, Ill.	19.53	19.00	5.68	7.00	63.25	....	3.2	....	8.3	....	19.83	19.00
Brownie Distillers' Grains	The Larrowe Milling Co.	Detroit, Mich.	28.46	26.00	12.68	7.00	44.86	....	3.9	....	10.1	....	8.25	9.00
FLAXSEED MEALS.														
Myrpo Pure Old Process Linseed Meal	American Linseed Co.	New York	35.11	34.00	5.34	5.00	45.75	....	5.1	....	8.7	....	....	8.00
Old Process Linseed Oil Meal	American Linseed Co.	New York	34.89	34.00	5.41	5.00	44.90	....	4.9	....	9.9	....	....	8.00
Old Process Linseed Oil Meal	American Linseed Co.	New York	35.85	34.00	6.06	5.00	44.49	....	5.3	....	8.3	....	....	8.00
Old Process Oil Meal	American Linseed Co.	New York	34.24	34.00	7.31	5.00	38.25	....	10.7	....	9.4	....	....	8.00
Old Process Ground Oil Cake	Archer-Daniels Linseed Co.	Buffalo, N. Y.	35.29	33.00	6.22	6.00	41.49	....	7.3	....	9.7	....	....	10.00
Old Process Ground Oil Cake	Archer-Daniels Linseed Co.	Buffalo, N. Y.	35.55	33.00	5.91	6.00	43.94	....	5.2	....	9.4	....	....	10.00
Old Process Ground Oil Cake	Midlands Linseed Products Co.	Minneapolis, Minn.	33.54	32.00	7.51	5.00	45.25	....	4.9	....	8.8	....	....	9.50
Old Process Ground Linseed Cake	Midlands Linseed Products Co.	Minneapolis, Minn.	35.14	32.00	7.47	6.00	42.69	....	5.5	....	9.2	....	....	9.50
Kellogg's Pure Old Process Oil Meal	Spencer Kellogg & Sons, Inc.	Buffalo, N. Y.	33.54	33.00	6.42	5.00	45.84	....	5.2	....	9.0	....	....	10.00
Kellogg's Pure Old Process Oil Meal	Spencer Kellogg & Sons, Inc.	Buffalo, N. Y.	32.75	33.00	6.03	5.00	44.82	....	5.1	....	11.3	....	....	10.00
GLUTEN FEEDS.														
Cream of Corn Gluten Feed	American Maize Products Co.	New York	22.68	23.00	2.34	1.50	63.38	....	1.8	....	9.8	....	....	8.00
Cream of Corn Gluten Feed	American Maize Products Co.	New York	22.94	23.00	2.04	1.50	63.32	....	2.1	....	9.6	....	....	8.00
Clinton Gluten Feed	Clinton Sugar Refining Co.	Clinton, Iowa	24.96	23.00	2.41	3.00	61.03	....	1.7	....	9.9	....	....	8.00
Buffalo Corn Gluten Feed	Corn Products Refining Co.	New York	24.87	23.00	1.73	1.00	59.58	....	3.8	....	10.0	....	....	8.3
Buffalo Corn Gluten Feed	Corn Products Refining Co.	New York	27.58	23.00	1.65	1.00	59.17	....	3.6	....	8.0	....	8.38	8.5
Crescent Corn Gluten Feed	Corn Products Refining Co.	New York	24.97	23.00	2.55	1.00	57.58	....	5.5	....	9.4	....	....	8.5
Diamond Corn Gluten Feed	Corn Products Refining Co.	New York	38.00	40.00	1.35	1.00	50.15	....	1.2	....	9.3	....	4.38	4.0
Diamond Corn Gluten Feed	Corn Products Refining Co.	New York	41.77	40.00	1.25	1.00	46.78	....	1.4	....	8.8	....	2.85	4.00
Douglas Corn Gluten Feed	Douglas Co.	Cedar Rapids, Iowa	28.11	23.00	1.94	1.00	55.45	52.00	4.6	....	9.9	....	7.29	8.00
Jenks' Corn Gluten Feed	Huron Milling Co.	Harbor Beach, Mich.	25.66	22.25	3.69	3.00	57.65	....	3.1	....	9.9	....	....	8.00
MEAT AND BONE FEEDS.														
Protex Pure Ground Meat Scraps A. A	Amer. Agri. Chemical Co.	New York	57.79	55.00	13.39	10.00	....	....	22.8	....	5.5	....	....	....
Protex Pure Ground Meat Scraps A. A	Amer. Agri. Chemical Co.	New York	54.20	55.00	16.94	10.00	....	....	20.4	....	6.4	....	....	....

Name of Sample.	Manufactured by.	Address.	Protein.		Fat.		Carbohydrates.		Ash.		Moisture.		Crude Fibre.	
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
MEAT & BONE FEEDS.—*Cont'd.*														
Beach's Superior Beef Scraps	Beach Soap Co.	Lawrence, Mass.	51.01	50.00	15.04	15.00	....	....	26.3	....	5.3	....	....	....
Star Brand Beef Scraps	Beach Soap Co.	Lawrence, Mass.	38.88	40.00	11.30	10.00	....	....	38.1	....	7.2	....	....	....
Star Brand Ground Beef Scraps	Beach Soap Co.	Lawrence, Mass.	38.61	40.00	11.27	10.00	....	....	39.5	....	5.7	....	....	....
Breck's Ground Beef Scraps	Joseph Breck & Sons	Boston, Mass.	40.11	43.00	15.12	12.00	....	....	33.3	....	6.5	....	....	....
Beef Scrap	John C. Dow Co.	Boston, Mass.	42.99	43.00	20.20	12.00	....	....	25.1	....	6.9	....	....	....
Ground Beef Scraps	John C. Dow Co.	Boston, Mass.	45.00	43.00	18.32	12.00	....	....	22.4	....	8.8	....	....	....
Meat Scraps	W. D. Higgins	Framingham, Mass.	36.08	40.00	17.62	12.00	....	....	34.4	....	3.4	....	....	....
Red Star Brand Fish Scraps	International Glue Co.	Boston, Mass.	45.18	45.00	2.23	2.00	....	....	31.5	....	8.7	....	....	1.00
Marsh's Pure Ground Scraps	The Geo. E. Marsh Co.	Lynn, Mass.	37.74	40.00	10.06	10.00	....	....	39.4	....	7.5	....	....	....
Manchester Bone and Meat Meal	Manchester Rendering Co.	Manchester, N. H.	34.91	35.00	10.33	8.00	....	....	46.7	....	4.2	....	....	....
Manchester Bone Meal	Manchester Rendering Co.	Manchester, N. H.	22.16	20.00	10.84	5.00	....	....	61.2	....	4.8	....	....	....
Darling's Pure Ground Meat Scraps	The Van Iderstine Co.	Long Island, N. Y.	54.38	45.00	11.06	5.00	....	....	27.5	....	4.8	....	....	3.00
Meat and Bone Poultry Scrap	Whitman & Pratt Rendering Co.	Boston, Mass.	41.68	25.00	13.30	12.00	....	....	35.5	....	7.3	....	....	....
DAIRY FEEDS.														
Arcady Dairy Feed	Arcady Farms Milling Co.	Roundout, Ill.	18.39	16.00	3.51	3.50	61.40	60.00	7.0	....	9.7	....	15.24	15.00
Bufeeco Creamery Feed	Buffalo Cereal Co.	Buffalo, N. Y.	19.35	18.00	4.75	4.00	61.50	....	4.8	....	9.4	....	10.93	9.00
Unicorn Dairy Ration	Chapin & Co.	Hammond, Ind.	25.92	26.00	6.43	5.00	52.95	50.00	6.0	....	8.7	....	8.92	11.0
Unicorn Dairy Ration	Chapin & Co.	Hammond, Ind.	26.97	28.00	6.02	5.50	52.11	50.00	5.6	....	9.3	....	11.12	11.0
Wirthmore Bal. Ration for Milch Cows	Chas. M. Cox Co.	Boston, Mass.	24.34	25.50	5.12	5.20	56.54	....	4.8	....	9.2	....	10.73	9.5
Crosby's Quality Feed (Ready Ration)	E. Crosby Co.	Brattleboro, Vt.	25.48	25.00	6.06	7.00	53.56	50.00	5.1	....	9.8	....	6.27	9.0
Crosby's Ready Ration	E. Crosby Co.	Brattleboro, Vt.	24.96	25.00	6.14	7.00	54.00	50.00	5.5	....	9.4	....	11.85	9.0
Grandin's Milk Maker	D. H. Grandin Milling Co.	Jamestown, N. Y.	23.21	22.50	5.35	4.00	57.82	50.00	4.7	....	8.3	....	12.22	13.0
Grandin's Milk Maker	D. H. Grandin Milling Co.	Jamestown, N. Y.	26.44	22.50	5.10	4.00	53.16	50.00	5.0	....	10.3	....	8.02	13.0
Larrowe's Big 6 Complete Dairy Ration	The Larrowe Milling Co.	Detroit, Mich.	20.49	21.00	4.83	4.00	60.58	48.00	5.3	....	8.8	....	9.17	12.0
Larro Feed	The Larrowe Milling Co.	Detroit, Mich.	20.14	20.00	3.99	3.00	62.77	50.00	5.0	3.0	8.1	....	12.69	14.0
Larro Feed	The Larrowe Milling Co.	Detroit, Mich.	21.36	20.00	4.60	3.00	60.11	58.00	4.4	....	9.5	....	12.11	14.0
Stevens 44 Dairy Ration	The Park & Pollard Co.	Boston, Mass.	26.27	24.00	6.06	5.00	53.57	....	5.3	....	8.8	....	13.69	14.0
Stevens 44 Dairy Ration	The Park & Pollard Co.	Boston, Mass.	23.29	24.00	5.92	5.00	57.09	....	4.7	....	9.0	....	12.61	14.0
Big Q Dairy Ration	Quaker Oats Co.	Chicago, Ill.	21.54	21.00	5.24	5.00	57.92	50.00	5.5	....	9.8	....	12.02	10.5
Purina Cow Chow Feed	Ralston Purina Co., Inc.	St. Louis & Buffalo.	25.66	24.00	3.77	4.75	55.17	52.00	6.6	....	8.8	....	15.58	13.5
Union Grains (Ubico) Biles Ready Dairy Ration	Ubico Milling Co.	Cincinnati, Ohio.	24.34	24.00	6.6	7.00	55.96	50.00	5.2	....	7.9	....	12.75	10.0
Union Grains (Ubico)	Ubico Milling Co.	Cincinnati, Ohio.	25.13	24.00	7.01	7.00	55.06	51.00	4.6	....	8.2	....	12.48	10.00

OAT FEEDS.														
Oat Feed	Jonas F. Eby & Son	Lancaster, Pa.	5.43	6.5	1.82	2.50	77.25	53.00	6.8	....	8.7	....	....	27.5
Oat Hulls	Sold by R. G. Hardy	Cham. of Commerce, Boston, Mass.	7.88	....	2.65	....	76.07	....	5.0	....	8.4	....	23.86	....
Oat Feed	Park & Pollard Co.	Boston, Mass.	5.43	....	1.88	....	76.09	....	6.7	....	9.9	....	19.76	....
Oat Feed	Robin Hood Mills, Ltd.	Moose Jaw & Calgary, Canada	7.09	5.25	2.89	2.50	76.42	....	5.4	....	8.2	....	24.42	28.0
Oat Feed	No address	....	6.08	....	1.89	....	76.73	....	7.0	....	8.3	....	29.36	....
Reground Oat Feed	Sold by D. Whiting Sons	Claremont, N. H.	6.48	....	2.14	....	79.38	....	6.0	....	6.0	....	24.5	....
PEANUT FEEDS.														
Peanut Meal	Browns Co.	Berlin, N. H.	30.65	36.00	12.13	6.00	43.42	....	4.6	....	9.2	....	22.48	20.0
"Primo" Unhulled Peanut Oil Feed	Suffolk Oil Mill	Suffolk, Va.	26.27	28.00	6.98	6.00	49.25	40.00	8.7	....	8.8	....	20.26	25.0
Gubernut Peanut Meal and Peanut Hulls	Southern Oil Feed Co.	Petersburg, Va.	30.21	30.00	4.41	4.30	48.08	....	10.5	....	6.8	....	12.40	27.00
Stratton & Co.'s Provender	Stratton & Co.	Concord, N. H.	10.94	....	4.40	....	71.66	....	2.4	....	10.6	....	5.98	....
Kehlor's Rye Feed	Kehlor Flour Mills Co.	St. Louis, Mo.	17.25	16.03	3.81	3.00	64.94	65.00	4.9	....	9.1	....	5.20	5.25
Jesco Velvet Bean Feed	J. E. Soper Co.	Boston, Mass.	16.29	17.00	5.72	4.00	62.89	45.00	4.9	....	10.2	....	13.80	13.00
Barley Screenings	Washburn-Crosby Co.	Buffalo, N. Y.	10.51	8.00	3.03	1.00	71.26	....	5.7	....	9.5	....	15.00	25.00

CERTIFIED COMPOSITION OF COMPOUNDED BRANDS.

Name.	Manufactured by.	Address.	Certified to Contain.
MOLASSES FEEDS.			
Clover Leaf Dairy Feed	Clover Leaf Milling Co	Buffalo, N. Y.	Cottonseed meal, corn, distillers' dried grains, mixed broken grains, consisting of wheat, corn, barley, speltz taken from grain screenings, cocoa shell meal, clipped oat by-product, molasses, ½ of 1% salt.
International Planters Dairy Feed	International Sugar Feed Co	Minneapolis, Minn.	Cottonseed feed, ground delinted cottonseed hulls, molasses and salt.
International Ready Ration	International Sugar Feed Co	Minneapolis, Minn.	Cottonseed meal, molasses, ground clipped oat by-product, ground cleaned grain screenings, wheat, bran, linseed oil meal.
International Special Dan Patch Horse Feed	International Sugar Feed Co	Minneapolis, Minn.	Oats, cracked corn, ground alfalfa, cane molasses, salt.
International Special Dairy Feed	International Sugar Feed Co	Minneapolis, Minn.	Cottonseed meal, molasses, ground clipped oat by-product, salt, ground cleaned grain screenings.
Quaker Dairy Feed with Molasses	Quaker Oats Co	Chicago, Ill.	Molasses, corn, distillers' grains, ground grain screenings, cottonseed meal, palm kernel meal, tricalcium phosphate, oat meal mill by-product, oat middlings, oat hulls, oat short, ½ of 1% salt.
Purina O-Molene Feed	Ralston Purina Co., Inc	St. Louis, Mo.	Cracked corn, oats, molasses, ground alfalfa, 1% salt.
POULTRY FEEDS.			
Queen Poultry Mash	The Albert Dickinson Co	Chicago, Ill.	Wheat, bran, wheat middlings, alfalfa meal, ground corn, bran, corn feed meal, linseed oil meal, meat scraps, salt ½ of 1%.
Blatchford's Fill the Basket Egg Mash	Blatchford Calf Meal Factory	Waukegan, Ill.	Locust bean meal, unpressed flaxseed, wheat flour, rice polish, blood flour, barley and malt, sprout meal, ground beans and peas, old process oil meal, cocoa shell meal, cocoanut meal, recleaned cottonseed meal, Foenugreek dried milk.
Blatchford's Milk Mash	Blatchford Calf Meal Factory	Waukegan, Ill.	Blatchford's calf meal, also bone, corn and oat meals, wheat middlings, meat scraps, fish and powdered limestone.
Blatchford's Fill the Basket Egg Mash	Blatchford Calf Meal Factory	Waukegan, Ill.	Blatchford's calf meal, also alfalfa bone, corn and oat meals, wheat bran, wheat middlings, meat scraps, fish, capsicum and powdered limestone.
Buffalo Poultry Mash	Buffalo Cereal Co	Buffalo, N. Y.	Ground corn, wheat bran and middlings, hominy feed, corn, gluten feed, oat middlings and rolled oats.
E. A. Cowen's Climax Poultry Mash	E. A. Cowen Co	Worcester, Mass.	Wheat bran, oats, barley, gluten, corn, meat and bone meal, fish scraps and salt, wheat middlings, alfalfa meal, linseed.

Poultry Mash	McQuesten & Lewis, Manchester, N. H.	Corn meal by-products, alfalfa meal, oil meal, gluten, bran, beef scraps and fish scraps.
"Lay or Bust" Dry Mash	Park & Pollard, Boston, Mass.	Corn, wheat, oats, barley, Kaffir corn, alfalfa, fish, meat, bone, beet pulp, wheat screenings not exceeding mill run, calcium carbonate and salt.
Quaker Poultry Mash	The Quaker Oats Co, Chicago, Ill.	Meat scraps, oat meal, wheat bran with ground screenings not exceeding mill run, alfalfa meal, yellow hominy feed, corn gluten feed, ground grain screenings.
Schumacher Poultry Mash	The Quaker Oats Co, Chicago, Ill.	Meat scrap, oat meal, wheat bran, with grain screenings not exceeding mill run, alfalfa meal, yellow hominy feed, corn feed meal by-product, corn gluten feed, and ground grain screenings.
Purina Chicken Chowder Feed	Ralston Purina Co., Inc, St. Louis, Mo.	Wheat bran, wheat middlings, corn meal, not over 1% salt, alfalfa meal, linseed meal, granulated meat, charcoal.
Chic Chuk	Russia Cement Co, Gloucester, Mass.	Salt 2.00, bone containing calcium carbonate, calcium phosphate, from silica, etc., 30.00.
Stratton's Poultry Mash with Shell	Stratton & Co, Concord, N. H.	Ground oats, linseed oil meal, corn feed meal, meat scraps, wheat bran, wheat middlings, alfalfa meal and not over 5% shell.
Syragold Dry Mash	Syracuse Milling Co, Syracuse, N. Y.	Wheat bran and middlings with screenings, corn meal, corn gluten feed, linseed meal and Hen-E-ta (composed of phosphorus, silica, lime and soda).
Ti-O-Ga Laying Food	Tioga Mill and Elevator Co, Waverly, N. Y.	Wheat middlings, wheat bran, corn gluten meal, corn feed meal, Kaffir corn meal, hominy feed, meat and bone scrap, oats, barley, buckwheat.
Blue Seal Dry Mash for Poultry	H. K. Webster Co, Lawrence, Mass.	Wheat feed, corn meal, gluten feed, rolled oats, beef scraps, beet pulp, oil meal and Hen-E-Ta, bone composed of silica, lime and soda.
STOCK FEEDS.		
Acme Stock Feed	Acme Evans Co, Indianapolis, Ind.	Corn, homlik (corn feed meal), hominy meal, wheat bran, wheat middlings, oat feed, oat hulls, oat middlings and salt.
Portage Stock Feed	Akron Feed & Milling Co, Akron, Ohio.	Corn, barley, oat shorts, oat hulls, oat middlings, and ½ of 1% salt.
Stag Stock Feed	The Albert Dickinson Co, Chicago, Ill.	Corn feed meal, ground corn bran, ground corn screenings, ground barley, oat meal mill by-products, oat middlings, oat hulls, oat shorts, wheat middlings, cottonseed meal, ½ of 1% salt.
Ohio Farm Feed	Ansted & Burk Co, Springfield, Ohio.	One-half wheat middlings, one-third corn, bran and meal, balance wheat bran and gr. and cleaned wheat screenings not to exceed mill run.
Pennant Stock Feed	E. W. Bailey & Co, Swanton, Vt	Fine white hominy and oat by-products (oat middlings, hulls, and shorts) ½ of 1% salt.
Bufceco Horse Feed	Buffalo Cereal Co, Buffalo, N. Y	Ground oats, corn and barley, wheat middlings, hominy feed, oat shorts, oat middlings, oat hulls, linseed meal, corn gluten feed.
Bufceco Steam Cooked Feed	Buffalo Cereal Co, Buffalo, N. Y.	Ground corn and oats, hominy feed, oat shorts, oat middlings, oat hulls and ½ of 1% salt.

Name.	Manufactured by.	Address.	Certified to Contain.
Bufeeco Stock Feed	Buffalo Cereal Co.	Buffalo, N. Y.	Ground corn, oats and barley, wheat middlings, corn gluten feed, hominy feed, oat shorts, oat middlings, oat hulls, ½ of 1% salt.
Wirthmore Stock Feed	Chas. M. Cox Co.	Boston, Mass.	Ground barley, oat meal mill by-product, oat middlings, oat shorts, ½ of 1% salt.
Wirthmore Stock Feed	Chas. M. Cox Co.	Boston, Mass.	Ground barley, ground oats, ground hominy meal, ground corn, oat meal mill by-products (oat middlings, oat hulls, oat shorts), ½ of 1% salt.
Crawford's Stock Feed	Crawford Bros.	Walton, N. Y.	Ground corn, hominy feed, corn germ meal, oat hulls, wheat, bran, wheat middlings.
Stock Feed	John W. Eschelman	Lancaster, Pa.	Oat middlings, wheat middlings, rye middlings, cottonseed meal, ground grain screenings, corn meal, oat hulls, hominy feed.
Grandin's Stock Feed	D. H. Grandin Milling Co.	Jamestown, N. Y.	Fine white hominy feed, corn gluten feed, oat meal mill by-products, oat middlings, oat hulls, oat shorts and salt.
Grandin's Stock Feed	D. H. Grandin Milling Co.	Jamestown, N. Y.	Fine white hominy feed, corn gluten feed, oat meal mill by-products, oat middlings, oat hulls, oat shorts and salt.
Harvest Horse Feed	Hale & Edwards Co.	Chicago, Ill.	Alfalfa, molasses, cracked corn, oats and barley.
Algrane Milk Feed	H-O Co.	Buffalo, N. Y.	Oat hulls, wheat feed, cottonseed meal, oat shorts, corn gluten feed, ground corn, ground oats, ground grain screenings molasses, clipped oats by-products, salt ½ of 1%.
Lucky Strike Stock Feed	Illinois Feed Mills	St. Louis, Mo.	Hominy feed, wheat middlings, cottonseed meal, corn meal from shelled corn, oat middlings, oat ground grain screenings, molasses, clipped oats sugar starch and carbo., 67.00.
Domino (formerly) Stock Feed	Nowak Milling Co.	Buffalo, N. Y.	Hominy feed, oat middlings, low grade flour, corn feed meal, oat hulls, ¾ of 1% salt.
Park & Pollard Stock Feed	Park & Pollard Co.	Boston, Mass	Ground corn, hominy feed, oat feed.
Buckeye Feed	Quaker Oats Co.	Chicago, Ill.	Wheat mixed feed with ground screenings, not exceeding mill run; and rye shorts.
Schumacher Feed	Quaker Oats Co.	Chicago, Ill.	Ground corn, hominy feed, corn feed by-products, ground barley, wheat flour, wheat middlings with ground screenings not exceeding mill run, cottonseed meal, ground puffed rice, ground puffed wheat, oat meal by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt.
Purina Pig Chow	Ralston Purina Co., Inc.	St. Louis, Mo.	Corn feed meal, alfalfa meal, molasses digester tankage, and 1% salt.
Emergency Horse Feed	St. Albans Grain Co.	St. Albans, Vt.	Crimped oats, ground oats, hominy, oat meal by-products (oat middlings, oat shorts, oat hulls), ½ of 1% salt.
Stock Feed	Stratton & Co.	Concord, N. H.	Reground oat feed and yellow corn meal.

Blue Grass Valley Feed	A. Waller & Co., Henderson, Ky.	Winter wheat, bran, ground corn and cob.
Blue Seal Stock Feed	H. K. Webster Co., Lawrence, Mass.	Ground oats, kiln dried hominy feed, wheat, bran, linseed meal, not over ½ of 1% salt. Pure oat feed.
CALF MEALS.		
Blatchford's Calf Meal	Blatchford Calf Meal Factory, Waukegan, Ill.	Locust bean meal, unpressed flaxseed, wheat flour, blood flour, barley and malt sprouts, meal, ground beans and peas, rice polish, old process oil meal, cocoa shell meal, cocoanut meal.
Blatchford's Calf Meal	Blatchford Calf Meal Factory, Waukegan, Ill.	Locust bean meal, unpressed flaxseed, wheat flour, blood flour, barley and malt sprouts meal, ground beans and peas, rice polish, old process oil meal, cocoa shell meal, cocoanut meal, recleaned cottonseed meal, Foenugreek, dried milk, anise and salt.
International Grofast Calf Meal	International Sugar Feed Co., Minneapolis, Minn.	Foenugreek seed, locust bean, linseed oil meal, cleaned grain screenings.
Schumacher Calf Feed	Quaker Oats Co., Chicago, Ill.	Oat meal, wheat meal, ground flaxseed, milk, albumen, cottonseed meal, and ½ of 1% bicarbonate of soda.
Ryde's Cream Calf Meal	Ryde & Co., Chicago, Ill.	Ground flaxseed, wheat flour, locust bean meal, recleaned cottonseed meal, blood flour, bean lentils, cocoa shell meal, hominy feed, Foenugreek, anise and salt.
DISTILLERS' AND BREWERS' GRAINS.		
Corby Dried Brewers' Grains	The Corby Co., Washington, D. C.	Barley, malt, rye, malt, malt sprouts, corn.
Bull Brand Dried Brewers' Grains	Farmers' Feed Co., New York.	
Fleischmann's Dried Grains	The Fleischmann Co., Chicago, Ill.	Dried yeast, grains from corn, barley, malt and sprouts.
Brownie Distillers' Grains	The Larrowe Milling Co., Detroit, Mich.	
DAIRY FEEDS.		
Arcady Dairy Feed	Arcady Farms Milling Co., Roundout, Ill.	Malt sprouts, dried brewers' grains, cottonseed meal, molasses, ground and bolted clipped oat by-product, cleaned ground and colted grain screenings, salt, corn gluten meal, cocoa shell meal.
Bufceeo Creamery Feed	Buffalo Cereal Co., Buffalo, N. Y.	Ground corn, wheat bran and middlings, hominy feed, corn gluten feed, cottonseed meal, oat shorts, oat middlings, oat hulls, ½ of 1% salt.
Unicorn Dairy Ration	Chapin & Co., Hammond, Ind.	Corn, distillers' grains, cottonseed meal, gluten feed, linseed meal, hominy meal, corn starch by-products with corn, bran, barley feed, malt sprouts, wheat, bran, copra meal, salt.
Wirthmore Bal. Ration for Milch Cows	Chas. M. Cox Co., Boston, Mass.	Choice cottonseed meal, linseed meal, gluten feed, fancy distillers' grains, bran, choice malt sprouts, hominy or corn meal, ¾ of 1% salt.
Crosby's Quality Feed (Ready Ration)	E. Crosby Co., Brattleboro, Vt.	Distillers' dried grains, oil meal, cottonseed meal, malt sprouts, wheat bran, wheat middlings, hominy feed, and ½ of 1% salt.

Name.	Manufactured by.	Address.	Certified to Contain.
Grandin's Milk Maker	D. H. Grandin Milling Co.	Jamestown, N. Y.	Linseed oil meal, cottonseed meal, gluten feed, distillers' dried grains, brewers' dried grains, hominy feed, malt sprouts, wheat bran, wheat middlings and salt.
Larrowe's Big 6 Complete Dairy Ration	The Larrowe Milling Co.	Detroit, Mich.	Linseed oil meal, cottonseed meal, corn, gluten feed, dried distillers' grains (mainly from corn), hominy feed, wheat bran, wheat middlings, and ¾ of 1% salt, bran and middlings may contain ground screenings not exceeding mill run.
Larro-Feed	The Larrowe Milling Co.	Detroit, Mich.	Cottonseed meal, corn, gluten feed, old process linseed oil meal, dried beet pulp, standard wheat bran, standard wheat middlings, ¾ of 1% salt, bran and middlings may contain ground screenings not exceeding mill run.
Larrow-Feed (Ready Ration)	The Larrowe Milling Co.	Detroit, Mich.	Cottonseed meal, corn, gluten feed, dried distillers' grains (mainly from corn), dried beet pulp, standard wheat bran and wheat middlings may contain ground screenings not exceeding mill run.
Stevens 44 Dairy Ration	Park & Pollard Co.	Boston, Mass	Oil meal, hominy meal, cottonseed meal, buckwheat middlings, wheat bran with mill run of screenings, gluten feed, brewers' grains, corn meal, cocoanut oil meal, pea meal, corn germ meal, distillers' grains, ground barley, wheat middlings and salt.
Purina Cow Chow Feed	Ralston Purina Co., Inc.	St. Louis, Mo.	Cottonseed meal, brewers' dried grains, gluten feed from corn, ground alfalfa, molasses, 1% salt.
Union Grains (Ubico) Biles Ready Dairy Ration	Ubico Milling Co.	Cincinnati, Ohio.	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, gluten feed, brewers' dried grains, barley, malt sprouts, ½ of 1% salt.
Big (Q) Dairy Ration	Quaker Oats Co.	Chicago, Ill.	Cottonseed meal, corn distillers' grains and solubles, corn gluten feed, old process linseed oil meal, by-product from the manufacture of hominy and corn meal, white middlings and wheat bran with screenings, oat meal mill by-product (oat middlings, oat hulls, oat shorts), 1% salt.